

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,545,765 B2  
APPLICATION NO. : 10/729846  
DATED : June 9, 2009  
INVENTOR(S) : Larsson et al.

Page 1 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 2, Line 55, delete “die” and insert -- the --, therefor.

In Column 4, Line 35, delete “weights)” and insert -- weights, --, therefor.

In Column 5, Line 54, delete “arc” and insert -- are --, therefor.

In Column 6, Line 21, delete “delay,” and insert -- delay; --, therefor.

In Column 6, Line 34, delete “a” before “Whenever”.

In Column 6, Line 37, delete “a” before “Reduced”.

In Column 8, Line 6, delete “cach” and insert -- each --, therefor.

In Column 8, Line 44, delete “please.” and insert -- phase. --, therefor.

In Column 9, Lines 44-54, delete “The rate may be an explicit value.....set of sub-carriers for a user.” and insert the same in Line 43, after “the rate instead.” as a continuation of the paragraph.

In Column 10, Line 37, delete “arc” and insert -- are --, therefor.

In Column 11, Line 16, delete “weights” and insert -- weights. --, therefor.

In Column 13, Line 13, delete “ $\phi_i$ ” and insert --  $\phi_i$  --, therefor.

In Column 13, Line 18, in Equation, delete “ $\arg_{J_i, \Phi_i, \Psi} \left\{ \underset{J_i, \Phi_i, \Psi}{opt} \{f\} \right\}$ ” and insert

--  $\arg_{J_i, \Phi_i, \Psi} \left\{ \underset{J_i, \Phi_i, \Psi}{opt} \{f\} \right\}$  --, therefor.

In Column 13, Line 27, in Equation, delete “ $\left\{ \underset{J_i, \Phi_i, \Psi}{opt} \{f\} \right\}$ ” and insert

--  $\left\{ \underset{J_i, \Phi_i, \Psi}{opt} \{f\} \right\}$  --, therefor.

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In Column 13, Line 34, in Equation, delete “

$$\left( \begin{matrix} opt \{f\} \\ J_i, \Phi_i, \Psi \end{matrix} \right)$$

--, therefor.

In Column 13, Line 43, in Equation, delete “

$$\left( \begin{matrix} opt \{f\} \\ J_i, \Phi_i, \Psi \end{matrix} \right)$$

--, therefor.

In Column 13, Line 54, delete “ $C^{(\Phi)}$ ” and insert --  $C_i^{(\Phi)}$  --, therefor.

In Column 13, Line 55, delete “ $\Phi_i \in \Phi$ .” and insert --  $\varphi_i \in \Phi_i$  --, therefor.

In Column 14, Line 12, delete “executed” and insert -- executed. --, therefor.

In Column 15, Line 55, in Equation, delete “

$$Z = R \cdot B \cdot \lg_2 \left( 1 + \frac{P \cdot Const}{R^2 \cdot N} \right),$$

--, therefor.

In Column 15, Line 59, delete “ $\alpha$ is” and insert --  $\alpha$  is --, therefor.

In Column 16, Line 64, delete “fill” and insert -- full --, therefor.

In Column 17, Line 10, delete “die” and insert -- the --, therefor.

In Column 17, Line 11, delete “protocol,” and insert -- protocol --, therefor.

In Column 17, Line 16, delete “ti,” and insert --  $t_i$  --, therefor.

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In Column 17, Line 50, delete "Unit" and insert -- unit --, therefor.

In Column 18, Line 30, delete "die" and insert -- the --, therefor.

In Column 18, Line 63, delete "die" and insert -- the --, therefor.

In Column 18, Line 67, delete "it" and insert -- is --, therefor.

In Column 19, Line 44, delete "Tile" and insert -- The --, therefor.

In Column 21, Line 4, delete "node" and insert -- node. --, therefor.

In Column 22, Lines 5-11, delete "Yet, in reference [8], an.....opportunistic link adaptation." and insert the same in Line 3, after "transmission." as a continuation of the paragraph.

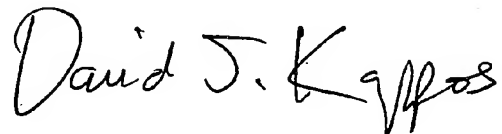
In Column 22, Line 66, delete "SNR<sub>k</sub>defined" and insert -- SNR<sub>k</sub> defined --, therefor.

In Column 23, Line 30, delete "IEEE," and insert -- IEEE --, therefor.

In Column 24, Line 49, in Claim 9, delete "farther" and insert -- further --, therefor.

Signed and Sealed this

Twenty-fourth Day of November, 2009

A handwritten signature in black ink, reading "David J. Kappos". The signature is written in a cursive, flowing style with a large initial 'D' and 'K'.

David J. Kappos  
*Director of the United States Patent and Trademark Office*